

# Additional Table 1, Table S1

Figure Number	Figure Letter	Genotypes Compared	Statistical Test	Non-Hochberg Adjusted p-value	Hochberg Adjusted p-value
2	M	wild type and <i>unc-6</i>	u-test		1.1E-05
2	M	wild type and <i>unc-40</i>	u-test		1.1E-07
2	M	<i>unc-6</i> and <i>unc-40</i>	u-test		5.8E-01
2	N	wild type and <i>unc-6</i>	t-test		2.4E-18
2	N	wild type and <i>unc-40</i>	t-test		2.4E-18
2	N	<i>unc-6</i> and <i>unc-40</i>	t-test		2.5E-01
3	I	wild type; <i>mCherry::rab-3</i> , <i>unc-6</i> ; <i>mCherry::rab-3</i> , and <i>unc-40</i> ; <i>mCherry::rab-3</i>	Kruskal Wallis	5.5E-02	
3	J	wild type; <i>mCherry::rab-3</i> and <i>cfi-1</i> ; <i>unc-42</i> ; <i>mCherry::rab-3</i>	u-test	1.2E-01	
4	A	<i>unc-6</i> and <i>unc-6</i> ; $\rho$ <i>AVA::unc-6</i>	u-test		5.0E-03
4	A	<i>unc-6</i> and <i>unc-6</i> ; $\rho$ <i>AVA::MTunc-6</i>	u-test		5.0E-03
4	A	<i>unc-40</i> and <i>unc-40</i> ; $\rho$ <i>PHB::unc-40</i>	u-test		3.2E-07
4	B	<i>unc-6</i> and <i>unc-6</i> ; $\rho$ <i>AVA::unc-6</i>	t-test		3.5E-07
4	B	<i>unc-6</i> and <i>unc-6</i> ; $\rho$ <i>AVA::MTunc-6</i>	t-test		8.3E-03
4	B	<i>unc-40</i> and <i>unc-40</i> ; $\rho$ <i>PHB::unc-40</i>	t-test		9.5E-15
4	C	<i>unc-6</i> and <i>unc-6</i> ; $\rho$ <i>AVA::unc-6</i>	$\chi^2$ goodness-of-fit test		9.5E-01
4	C	<i>unc-40</i> and <i>unc-40</i> ; $\rho$ <i>PHB::unc-40</i>	$\chi^2$ goodness-of-fit test		2.5E-03
4	D	wild type and $\rho$ <i>AVA::unc-6</i> OE	u-test		4.7E-05
4	D	wild type and $\rho$ <i>AVA::MTunc-6</i> OE	u-test		3.7E-03
4	D	wild type and $\rho$ <i>PHB::unc-40</i> OE	u-test		4.8E-01
5	C	wild type (no NLG-1 GRASP) and wild type	t-test		9.1E-01
5	C	wild type and <i>nlg-1</i>	Multi-way ANOVA		8.8E-01
5	C	wild type and <i>unc-40</i>	t-test		8.3E-01
5	C	wild type and <i>unc-40</i> ; $\rho$ <i>PHB::unc-40</i>	Multi-way ANOVA		8.8E-01
5	C	<i>unc-40</i> and <i>unc-40</i> ; $\rho$ <i>PHB::unc-40</i>	t-test		4.5E-14
5	C	<i>unc-40</i> and <i>unc-40</i> ; $\rho$ <i>PHB::unc-40</i>	Multi-way ANOVA		8.0E-16
5	C	<i>unc-40</i> and <i>unc-40</i> ; $\rho$ <i>PHB::unc-40</i>	t-test		8.5E-02
5	C	<i>unc-40</i> and <i>unc-40</i> ; $\rho$ <i>PHB::unc-40</i>	Multi-way ANOVA		6.9E-01
5	D	wild type and $\rho$ <i>AVA::unc-6</i> OE	t-test		1.1E-12
5	D	wild type and $\rho$ <i>AVA::MTunc-6</i> OE	Multi-way ANOVA		8.0E-16
5	D	wild type and $\rho$ <i>AVA::unc-6</i> OE	t-test		9.9E-18
5	D	wild type and $\rho$ <i>AVA::MTunc-6</i> OE	Multi-way ANOVA		1.3E-13
5	D	wild type and $\rho$ <i>AVA::unc-6</i> OE	t-test		1.8E-03
5	D	wild type and $\rho$ <i>PHB::unc-40</i> OE	Multi-way ANOVA		2.9E-02
5	D	wild type and $\rho$ <i>PHB::unc-40</i> OE	t-test		1.8E-01
5	D	wild type and $\rho$ <i>PHB::unc-40</i> OE	Multi-way ANOVA		1.5E-01
S1	A	<i>unc-6</i> anterior, medial, and posterior gaps	$\chi^2$ goodness-of-fit test	7.5E-01	
S1	A	<i>unc-40</i> anterior, medial, and posterior gaps	$\chi^2$ goodness-of-fit test	3.3E-01	
S2	A	wild type and <i>unc-6</i>	u-test		2.3E-05
S2	A	wild type and <i>unc-40</i>	u-test		1.8E-07
S2	A	wild type and <i>unc-7</i>	u-test		9.4E-01
S2	A	wild type and <i>ina-1</i>	u-test		9.4E-01
S2	A	wild type and <i>sdn-1</i>	u-test		9.4E-01
S2	B	wild type and <i>unc-6</i>	t-test		4.4E-13
S2	B	wild type and <i>unc-40</i>	t-test		1.2E-13
S2	B	wild type and <i>unc-7</i>	t-test		1.5E-07
S2	B	wild type and <i>ina-1</i>	t-test		1.3E-03
S2	B	wild type and <i>sdn-1</i>	t-test		9.9E-01
S3	A	wild type neurite overlap and total synapse length	t-test	3.5E-34	
S4	A	wild type and <i>age-1</i>	u-test		1.1E-01
S4	A	wild type and <i>clec-38</i>	u-test		5.5E-01
S4	A	wild type and <i>mig-10</i>	u-test		4.9E-01
S4	A	wild type and <i>unc-5</i>	u-test		5.5E-01
S4	A	wild type and <i>unc-115</i>	u-test		5.5E-01
S4	A	wild type and <i>unc-129</i>	u-test		5.5E-01
S4	B	wild type and <i>age-1</i>	t-test		7.1E-01
S4	B	wild type and <i>clec-38</i>	t-test		7.1E-01
S4	B	wild type and <i>mig-10</i>	t-test		7.1E-01
S4	B	wild type and <i>unc-5</i>	t-test		7.1E-01
S4	B	wild type and <i>unc-115</i>	t-test		7.1E-01
S4	B	wild type and <i>unc-129</i>	t-test		7.1E-01
S5	S	wild type; <i>syd-2::YFP</i> and <i>unc-6</i> ; <i>syd-2::YFP</i>	u-test		9.8E-01
S5	S	wild type; <i>syd-2::YFP</i> and <i>unc-40</i> ; <i>syd-2::YFP</i>	u-test		9.8E-01
S5	S	wild type; GFP:: <i>elks-1</i> and <i>unc-6</i> ; GFP:: <i>elks-1</i>	u-test		4.6E-01
S5	S	wild type; GFP:: <i>elks-1</i> and <i>unc-40</i> ; GFP:: <i>elks-1</i>	u-test		7.8E-01
S5	S	wild type; <i>nlg-1::YFP</i> and <i>unc-6</i> ; <i>nlg-1::YFP</i>	u-test		9.8E-01
S5	S	wild type; <i>nlg-1::YFP</i> and <i>unc-40</i> ; <i>nlg-1::YFP</i>	u-test		9.8E-01
S7	A	wild type and <i>unc-6</i>	u-test		1.7E-05
S7	A	wild type and <i>unc-40</i>	u-test		1.8E-07
S7	A	wild type and <i>unc-104</i>	u-test		5.1E-06
S7	A	<i>unc-6</i> and <i>unc-104</i>	u-test		9.2E-02
S7	A	<i>unc-40</i> and <i>unc-104</i>	u-test		1.3E-01
S7	B	wild type and <i>unc-6</i>	t-test		1.1E-07
S7	B	wild type and <i>unc-40</i>	t-test		2.3E-06
S7	B	wild type and <i>unc-104</i>	t-test		5.2E-09
S7	B	<i>unc-6</i> and <i>unc-104</i>	t-test		6.9E-01
S7	B	<i>unc-40</i> and <i>unc-104</i>	t-test		6.9E-01